

**WHAT IS CLAIMED IS:**

1. A method comprising:

placing a polymer layer between a reticle and a pellicle frame; and

heating the polymer layer to a pre-determined temperature to attach the reticle to the pellicle frame.

2. The method of Claim 1, wherein the polymer layer has a melting point between about 60 to 150 degrees Celsius.

3. The method of Claim 1, wherein said heating heats the polymer layer between about 45 to 150 degrees Celsius.

4. The method of Claim 1, further comprising applying pressure to the reticle and the pellicle frame during said heating.

5. The method of Claim 1, wherein the polymer layer comprises a thermoplastic.

6. The method of Claim 1, further comprising forming a hermetic seal between the reticle and the pellicle frame.

7. The method of Claim 1, further comprising cutting the polymer layer to match a bottom surface area of the pellicle frame.

8. The method of Claim 1, wherein said heating is local to the polymer layer bonding the pellicle frame to the reticle.

9. An apparatus comprising:  
a polymer layer shaped to match a bottom surface area of a pellicle frame, the polymer layer being adapted to attach a pellicle frame to a reticle with heat applied proximate to the polymer layer.

10. The apparatus of Claim 9, wherein the polymer layer has a melting point between about 60 to 150 degrees Celsius.

11. The apparatus of Claim 9, wherein the polymer layer is bonded to the pellicle frame and the reticle with heat between about 45 to 150 degrees Celsius.

12. The apparatus of Claim 9, wherein the polymer layer is bonded to the pellicle frame and the reticle with heat localized proximate to the polymer layer.

13. The apparatus of Claim 9, wherein the polymer layer is adapted to attach a pellicle frame to a reticle when pressure is applied to at least one of the pellicle frame and the reticle.

14. The apparatus of Claim 9, wherein the polymer layer comprises a thermoplastic.

15. The apparatus of Claim 9, wherein the polymer layer is adapted to form a hermetic seal between the reticle and the pellicle frame.

16. An apparatus comprising:  
a frame;  
a reticle; and  
a polymer layer shaped to match a bottom surface area of the frame, the polymer layer being adapted to attach the frame to the reticle with heat applied proximate to the polymer layer.

17. The apparatus of Claim 16, wherein the polymer layer comprises a polyester thermoplastic.